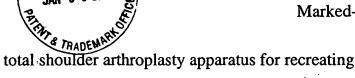
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1. (Twice amended) A total shoulder arthroplasty apparatus for recreating an anatomic proximal humeral configuration, comprising:

a stemless humeral head for coupling to a cut humeral surface, wherein the humeral head includes a base having a rotationally-stabilizing base extension protruding therefrom including multiple fins for impaction into a cancellous region of the cut humeral surface.

- multiple fins are substantially planar.

 5. (Amended) The apparatus of [any of Claims] Claim 1, wherein the shape of a protruding base

 For more of said multiple fins is plano-triangular.

 For more of said multiple fins is plano-triangular.
- 8. (Twice Amended) A total shoulder arthroplasty apparatus for recreating an anatomic proximal humeral configuration, comprising:

a stemless humeral head for coupling to a previously cut humeral surface, wherein the humeral head includes a base having a non stem-bearing stabilizing base extension including multiple fins protruding therefrom for impaction into a cancellous region of the cut humeral surface.

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16. (Twice Amended) A total shoulder arthroplasty apparatus for recreating an anatomic proximal humeral configuration, comprising:

a stemless humeral head for coupling to a cut humeral surface, wherein the humeral head includes a base having a rotationally-stabilizing base extension protruding therefrom including multiple fins for impaction into a cancellous, non-intramedullary region of the cut humeral surface.

23. (Twice Amended) A total shoulder arthroplasty apparatus for recreating an anatomic proximal humeral configuration, comprising:

a humeral head for coupling to a cut humeral surface, wherein the humeral head includes a base having a rotationally-stabilizing base extension protruding therefrom including multiple fins for impaction into a cancellous region of the cut humeral surface, and wherein the base extension is confined to protrude only into a ball region of the humerus, to which the humeral head couples, and which is above an elongate region of the humerus.

24. (Twice Amended) A total shoulder arthroplasty apparatus for recreating an anatomic proximal humeral configuration, comprising:

a humeral head for coupling to a cut humeral surface, wherein the humeral head includes a base having a rotationally-stabilizing base extension protruding therefrom including multiple fins for impaction into a cancellous region of the cut humeral surface, and wherein the extension is nonintrusive of an elongate humeral region below a humeral ball region including the humeral head.

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25. (Amended) A total shoulder arthroplasty method for recreating an anatomic proximal humeral configuration, comprising the steps of:

preparing a stemless humeral head having a base including a stabilizing base extension <u>including multiple fins</u> for efficient rotational stabilization of the humeral head on a cut humeral surface for coupling with the cut humeral surface;

preparing a humeral surface for coupling the humeral head thereto, including cutting the humeral surface to reveal a cancellous interior; and coupling the humeral head to the humeral surface, thereby recreating the anatomic proximal humeral configuration.

- 27. (Amended) The method of Claim 26, wherein [said] one or more of said multiple fins are substantially planar in shape.
- 31. (Amended) A total shoulder arthroplasty method for recreating an anatomic proximal humeral configuration, comprising the steps of:

preparing a stemless humeral head having a base including a non stembearing stabilizing base extension <u>including multiple fins</u> for rotational stabilization of the humeral head on a cut humeral surface for coupling to the cut humeral surface;

preparing a humeral surface for coupling the humeral head thereto, including cutting the humeral surface to reveal a cancellous interior; and coupling the humeral head to the humeral surface, thereby recreating the

anatomic proximal humeral configuration.

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42. (Amended) A total shoulder arthroplasty method for recreating an anatomic proximal humeral configuration, comprising the steps of:

preparing a stemless humeral head having a base including a non stembearing stabilizing base extension including multiple fins for rotational stabilization of the humeral head on a cut humeral surface for coupling to the cut humeral surface;

preparing a humeral surface for coupling the humeral head thereto, including cutting the humeral surface to reveal a cancellous interior; and coupling the humeral head to the humeral surface, thereby recreating the

anatomic proximal humeral configuration, including impacting the base extension of the humeral head to protrude only into a ball region of the humerus above an elongate region of the humerus.

43. (Amended) A total shoulder arthroplasty method for recreating an anatomic proximal humeral configuration, comprising the steps of:

preparing a stemless humeral head having a base including a non stembearing stabilizing base extension including multiple fins for rotational stabilization of the humeral head on a cut humeral surface for coupling to the cut humeral surface;

preparing a humeral surface for coupling the humeral head thereto, including cutting the humeral surface to reveal a cancellous interior; and coupling the humeral head to the humeral surface, thereby recreating the

anatomic proximal humeral configuration, including impacting the base extension

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of the humeral head nonintrusive to an elongate region of the humerus below a ball region of the humerus.

50. (Amended) A total shoulder arthroplasty method for recreating an anatomic proximal humeral configuration, comprising the steps of:

preparing a stemless humeral head having a base including a non stembearing stabilizing base extension <u>including multiple fins</u> for rotational stabilization of the humeral head on a cut humeral surface for coupling to the cut humeral surface;

preparing a humeral surface for coupling the humeral head thereto, including cutting the humeral surface to reveal a cancellous interior; and coupling the humeral head to the humeral surface, thereby recreating the

anatomic proximal humeral configuration.